

Chroma Polaris

Tuning Capacitor Upgrade:

Tools used:

- Flat head & Phillips screw drivers
- Desoldering Station & Solder wick
- Soldering Iron, Leaded Solder & Flux Paste
- Tweezers, Flush cut dykes.



1. Loosen the captive panel hold-down bolts

Two large flat-head bolts, one at each end. They need to be loosened only until disengaged from the threaded bracket inside the the synth.

Do not remove them completely!



2. Remove the six Phillips screws

These are along the top back panel of the synth.

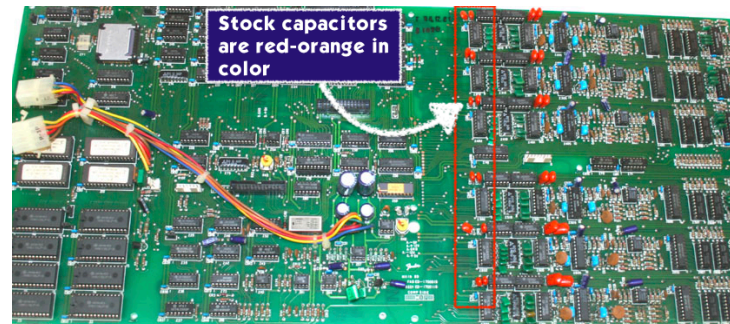
3. Remove the Main Board

Mark all connections, or take before photos so you know how to reassemble. Remove all connectors then unscrew the mainboard to free it from the chassis. Leave the top control panel as pictured below.



4. Remove stock tuning capacitors

Using a flush cut pair of dykes clip the legs of the Original Capacitors and then desolder and clean the solder pads.



Original Capacitors before removal

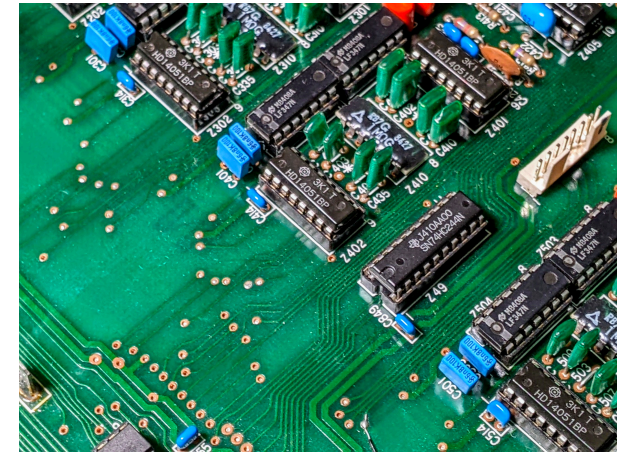
PRO TIP!

Use a professional vacuum desolder station. However, you can get by with high quality solder wick and patience. Apply fresh solder to any stubborn joints that won't easily free up.

Extreme caution must be taken at all times! You are doing open heart surgery on a 30+ year old electronic instrument. One ESD discharge can fry any one of the vintage IC's on the main board!
BE VERY CAREFUL!

5. Install new capacitors

Place the new capacitors in their place, polarity does not matter. Solder all the legs and inspect for cold solder joints. Trim excess legs with flush cut snips.



PRO TIP!

Use high quality leaded solder and apply flux paste on each solder joint before soldering.



MG Chemicals 8341
Flux Paste

6. Reassemble & Test

That's it. Put your board back together, power it up and allow to warm up for 30 minutes before tuning. Enjoy!

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